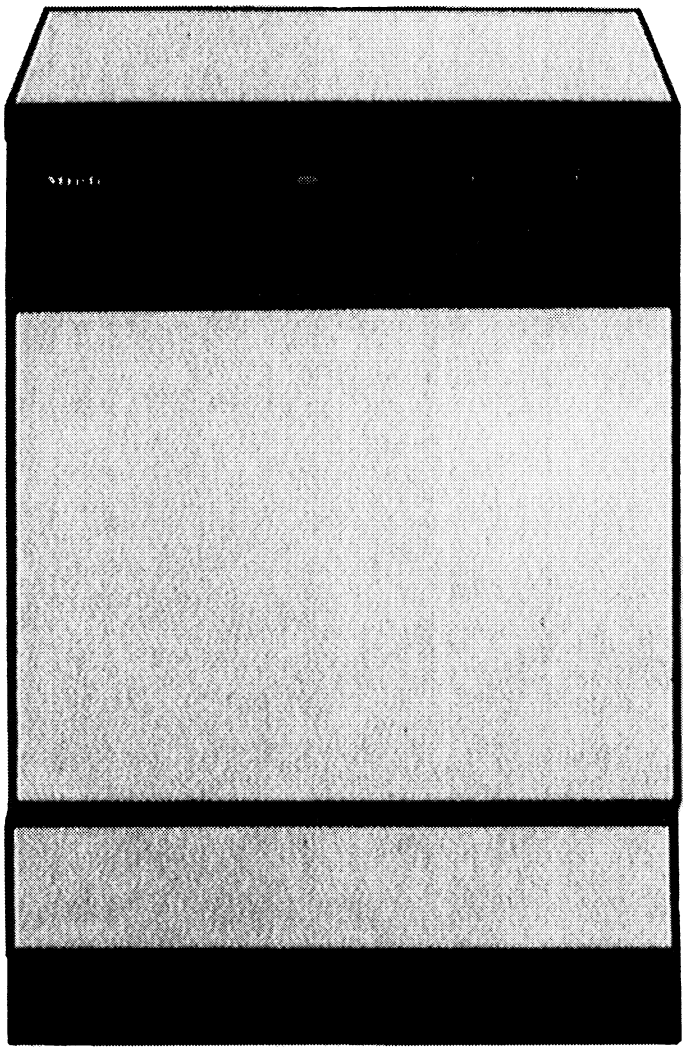
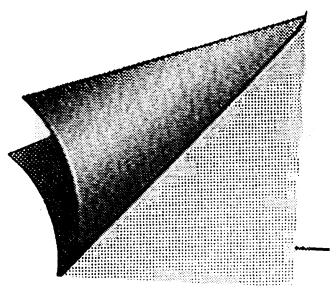
USA

Operating instructions for the W 1070 automatic washing machine



Miele



Washing machines

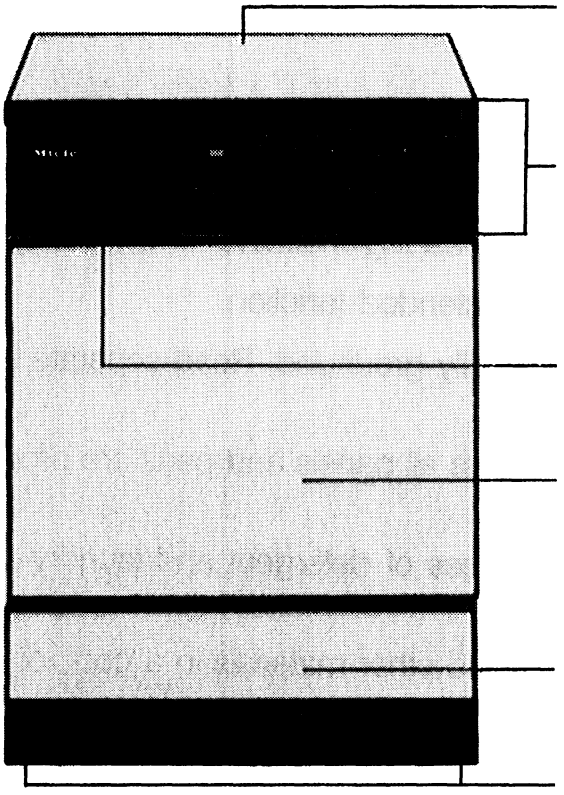
Important safety instructions

Warning – When using your washing machine, follow basic precautions including the following:

1. Read all instructions before using your washing machine.
2. Do not allow children to play in, on, or near a washing machine.
3. Do not allow children to operate your washing machine.
4. Only use the washing machine for its intended function.
5. This washing machine must be electrically grounded. Read separate instructions for details.
6. Do not use your washing machine unless all panels and parts are properly in place.
7. Read and follow instructions on packages of detergent and laundry aids – especially warnings and precautions.
8. Always store detergent, laundry aids and other materials in a cool, dry place and away from children.
9. Do not wash glass fiber materials in your washing machine.
10. Warning! If chlorine beach is used in the same wash as ammonia or acids.
11. Do not repair or replace any part of the appliance or attempt any servicing unless specifically recommended in user-maintenance instructions. All other servicing should be referred to qualified service personnel.
12. Always disconnect electrical power to the WASHING MACHINE before attempting to service the appliance.

● Save these instructions ●

Guide to the machine



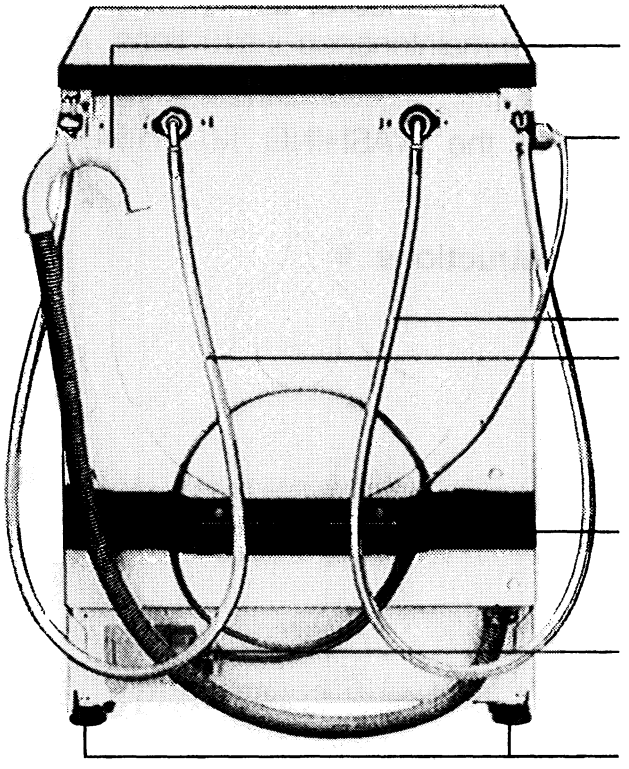


Table of contents

	Page
Guide to the machine	4
Installation, Electrical connection & Plumbing	See separate bk.
Preparing the wash load	7
Loading and unloading the machine	8 – 9
Program selection	15 – 19
Wash powders, starch, fabric conditioner and fabric retexturizer	13 – 15
Cottons 200°F	20
Coloreds 140°F	21
Permanent press 200°F	22
Permanent press 140°F	23
Permanent press 80° – 100°F	24
Delicates 80°F	25
Curtains 80°F	26
Woollens cold – 100°F	27
Extra pre-wash	28
Starching	29
Short spin	30
Drain	31
Cleaning and care	33 – 35
Correcting minor faults	36 – 39
After Sales Service	40
Technical data	41
Consumption figures	42

You save electricity, water, wash powder and time if you follow the instructions on pages 18 and 19.

IMPORTANT!

Please read separate instruction booklet enclosed with this machine.

IMPORTANT!

This washing machine should be connected to a 208/240 V – 20 Amp supply.

Connection to a 120 V supply is possible with the use of a 120 V/20 Amp conversion kit. (TN 3580 550)

Sorting the laundry

Sort the items according to:

- manufacturer's washing instructions
- the degree of soiling.

The more lightly soiled the laundry, the more gentle the washing process can be. When washing lightly soiled laundry, the maximum weight for each program can be used, possibly in conjunction with an "energy saving" program or short program (without pre-wash and shorter main wash). If the laundry is heavily soiled, the best result may be achieved by reducing the size of the load a little.

Pre-treatment

Empty all pockets (especially of overalls and children's clothing) and brush out if necessary. Articles such as hair grips, paper clips, coins, screws and safety-pins could damage the laundry and the machine.

Remove loose inserts, e.g. plastic or metal stiffeners from bras and shirt collars.

Remove loose lead weighting and rollers liable to rust from curtains. Firmly attached weights and non-rusting rollers may be washed in the machine.

Badly soiled areas, such as collars and cuffs, should be pre-treated with a detergent paste or liquid some 20 min. before washing.

Coffee, tea, fruit and red wine stains generally disappear after a few washes. Enzyme or biological washing powders will help to remove protein based stains. Heavily soiled working clothes can be treated with special soaking or pre-wash products.

Loading and unloading the washing machine

Opening and closing the drum door

The electronic door lock prevents the drum from being opened if there is water in the machine or if the drum is moving. The door can only be opened by pressing the "door" release button provided that

- the machine is connected to the electricity supply,
- the water has been pumped away,
- the drum is stationary after spinning.

Closing the door

Light pressure or a gentle push is sufficient to close the drum door.

Loading the washing machine

Unfold all the items and load them loosely into the drum without compressing. Underloading the machine is uneconomical whilst overloading will impair wash results. It is therefore advisable to load the machine to its full recommended capacity, when possible, i.e. 11 lbs. dry laundry for light or normally soiled cottons.

For permanent press programs do not exceed a maximum of 3.3 lbs dry laundry (approx. 8 shirts) and approx. 2.2 lbs for delicates and woollens.

The weight of a wash load can be roughly calculated using the following table as a guide. The weights given are for dry laundry.

To achieve best possible results it is advisable to make up loads consisting of mixed large and small items (e.g. underwear, towels etc.)

For very heavily soiled items, it is advisable to reduce the load by 20 – 30%.

Average weights guide (dry laundry)

Item*)	Weight in ounces
Bed linen	
Comforter	28
Sheet	21
Pillow case	7
Table linen	
Table cloth (average) cotton	14
Table cloth (linen)	35
Napkin (linen)	3
Personal – ladies	
Ladies' blouse	3.5
Cotton vest	4
Panties	2
Slip	5
Nightgown	6
Pajamas	16
Handkerchief	0.5
Jeans	14
Gentlemen's	
Shirt (cotton)	9
Shirt (mixture)	7
Undershirt	4
Underpants (short)	3.5
Underwear	9
Pajamas	17
Nightshirt	14
Handkerchief	1
Jeans	21
Kitchen and Bath towels	
Dish towel	3.5
Hand towel	7
Bath towel	28
Bath robe	42

*) Items made from synthetics or mixtures are generally lighter than the cotton or linen examples given here.

Loading and unloading the washing machine

Removing the laundry

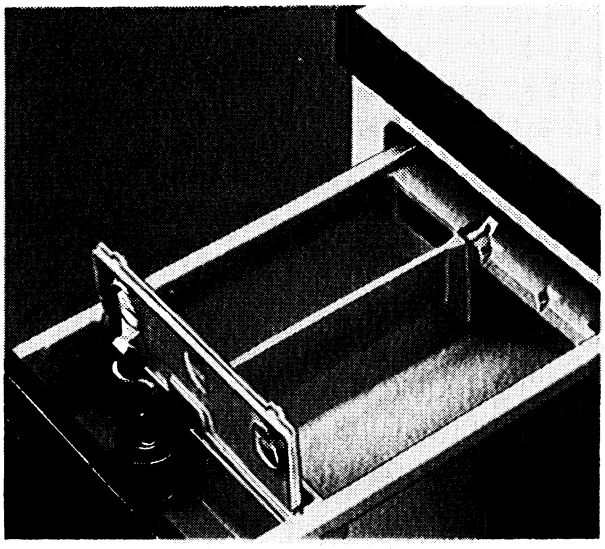
After spinning is completed, the laundry can be removed from the stationary drum. If a program with rinse hold has been chosen, the "drain" program must be selected first if no spinning is required.

Depending on the fabrics in the load, the washing can be given a short spin to remove excess water. (see instructions concerning program selection). Place a laundry basket or similar container under the door.

Then:

- Press the door release button (if the On/Off switch is in the Off position, it moves to On for as long as the door release button is pressed)
- Remove the washing.
- Turn the drum by hand to make sure that all items have been removed and that smaller articles have not stuck to the drum sides. Any articles left in the drum run the risk of being damaged or of the colors running through inadvertent incorrect washing in the next program.
- Turn off the water valve (water supply) as a safety precaution at the end of the day's washing.

The detergent dispenser is designed to take the appropriate products for each program.



- Compartment \I/ : pre-wash detergent
- Compartment \II/ : main wash detergent
- Compartment \❀/ : (in the center with lid) liquid fabric conditioners and liquid starch.

Special note:

Wash powder should always be placed in the appropriate compartments before starting the program. Otherwise water may drip from the underside of the drawer onto the floor.

The Roman numerals next to or under the program description on the control panel (i.e. \I/ or \II/) indicate whether or not a pre-wash is included, i.e. in which compartment to place the detergent.

Choosing the right detergent

Use only detergents suitable for automatic washing machines, preferably low-sudsing, e.g.

- general purpose powder or liquid detergents for all types of textiles and degrees of soiling,
- special detergents for certain textiles e.g. synthetic fibres or wool,
- pre-wash detergents for treating special types of stain.

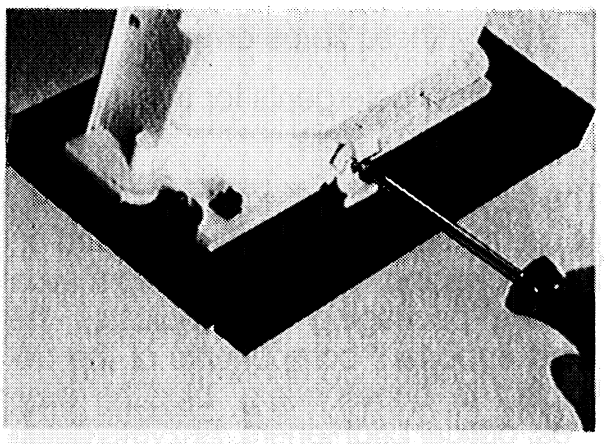
The appropriate instructions and areas of use for such detergents are stated on the packaging. The product information on the packaging also indicates the most important components of the detergent in question e.g. bleach, enzymes, optical brighteners. Enzyme detergents are particularly useful for the removal of protein based stains, e.g. blood, milk and egg. They are particularly effective at temperatures of between 120 – 140°F.

Detergents

Child-safety catch

In order to render the detergent dispenser difficult to open for children, the following instructions should be followed:

- Pull the drawer forward.
- Remove the Philips screw on the underside (see illustration).



- Replace the drawer. Child-safety catch engages.

The drawer can only be opened when the child-safety catch is pushed upward (see illustration).

Powder detergents – how much to use

The amount of detergent required depends on the type of laundry, degree of soiling and, most important, on the degree of hardness of the water supply.

Too little detergent not only leads to grey laundry but also to scale formation on the heater elements.

Follow the detergent manufacturer's recommendations for the total amount of powder required for a program. These recommendations are based on the four hardness ranges below.

Water hardness ranges

(In grains per gallon and milligrams per liter)

1	2	3	4
VERY SOFT WATER	SOFT WATER	MEDIUM WATER	HARD WATER
0 – 2 grains per gallon	3.5 grains per gallon	5.5 grains per gallon	5.5 or more grains per gallon
130 milligrams per liter	250 milligrams per liter	380 milligrams per liter	380 or more milligrams per liter

Depending on the location of water catchment areas, the hardness of mains water may change very rapidly. Water authorities therefore often quote several hardness ranges. In such areas, the quantity of detergent should always correspond to the highest hardness range quoted.

Before using the machine for the first time, please contact your local water authority to find out the degree of hardness of your water supply. If you have a private water supply (not mains) it can be tested with the Miele Aqua-Tester which is available from the Miele Service Department. Simple operating instructions are included with the device.

The division of the total amount of detergent between the pre- and main wash cycles depends upon the program chosen.

For whites/coloreds program

- 1/3 for pre-wash \I/
- 2/3 for main wash \II/

If the water hardness is above 5.5 grains per gallon (range 4) it is better to divide the detergent as follows:

- 1/2 for pre-wash \I/
- 1/2 for main wash \II/

Examples:

Total amount of detergent required for hardness range 2: approx. 3 measures (approx. 9 oz)

Therefrom:
1/3 = 1 measure (approx. 3 oz) for pre-wash
2/3 = 2 measures (approx. 6 oz) for main wash.

For program with small loads i.e. "permanent press", the amount of detergent required is approx. 3.5 oz of powder per lb. of dry laundry (approx. 2 measures) for a load of 3 lbs. 5 oz of dry laundry.

This amount is to be used for the main wash. If such program are used with a pre-wash 1/2 of the above amount should be placed in compartment \I/. If the detergent manufacturer's directions specify quantities with reference to the volume of water in the drum, the relevant figures are as follows:

- Normal program: approx. 21 quarts of water.
- Delicates program: approx. 31 quarts of water.

In hard water areas (above range 3) a special softening agent may be added to the pre- and main wash cycles. Follow the manufacturer's instructions. If the water is very soft, special products may be added to prevent the formation of excessive foam.

Dosage of liquid detergents

According to the manufacturer's instructions liquid detergents are primarily intended for use at temperatures up to 140°F. Generally speaking, a pre-wash is not needed when using such detergents.

If especially heavily soiled laundry is to be given a pre-wash, the insert delivered with the machine can be used to store liquid detergent for the main wash. The insert should be placed in compartment \II/ of the detergent dispenser (see additional instructions).

Special note:

Chlorine-based bleaches should not be used in the machine as they may attack rubber and plastic components.

Adding fabric conditioner

Fabric conditioner makes garments soft and fluffy to handle and helps to reduce the build-up of static electrical charges on synthetic materials. It is very suitable for the treatment of towelling, baby clothes and woollens. Add fabric conditioner to compartment \❀/ according to the manufacturer's instructions.

Starch, fabric conditioner and fabric retexturizer

- Lift the lid of the \❀/ compartment.
- Add conditioner according to directions but not above the mark on the siphon tube, otherwise the compartment can empty prematurely.
- Close the lid and slide the drawer in.

Fabric conditioner is then automatically added to the last rinse water. The siphon tube must be regularly rinsed in warm water to remove deposits of conditioner (see "Correcting minor faults" p. 37). Take care not to mix fabric conditioner and retexturizer in the dispenser as this can lead to severe blockages in the overflow system.

Fabric conditioner tends to solidify at low temperatures and is rendered useless. It should therefore not be stored in rooms where there is a danger of frost.

Starching

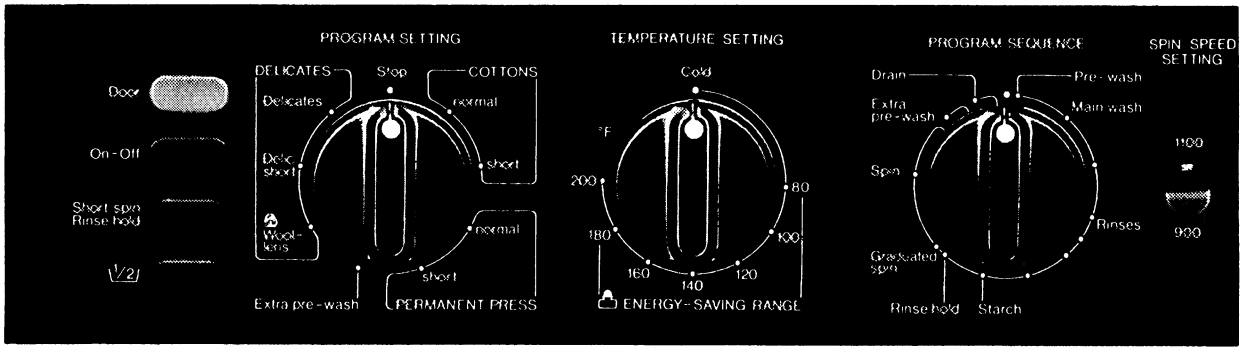
Modern formula starches and retexturizers are available in certain countries. They are mainly used for the treatment of shirts, blouses, table clothes, serviettes and bed linen. As the degree of stiffness achieved is dependent on the amount of water used, Miele recommend the selection of a "1/2" program so long as the machine is not loaded to more than half capacity (the 5th rinse also the takes place at the lower water level).

Automatic dosage of starches

Pour liquid starch into compartment \❀/ (see paragraph concerning fabric conditioners for details).

Manual starching

See page 29 for details.



Program selector **Temperature selector** **Program progress switch**

The program available with this machine can be divided into four basic types:

- cottons/coloreds
- permanent press
- delicates
- wool

The selection of appropriate temperatures and short program enables the machine to cope with the bewildering array of textiles now on the market.

What are the differences between the four basic programs?

- **Cotton/Coloreds**

  A normal program with normal agitation, full number of rinses and automatic spin cycle.

- **Permanent press**

  A program with normal agitation but with gradual cooling of the suds due to the temperature sensitivity and tendency to crease of the textiles in question (cyclic rinsing). Only three rinses are used for the smaller loads in question and the wash remains suspended in water at the end of the program (automatic rinse hold) unless the rinse hold/short spin button is pressed. Due to the normal level of agitation, this program is totally unsuitable for woollens.

- **Delicates**

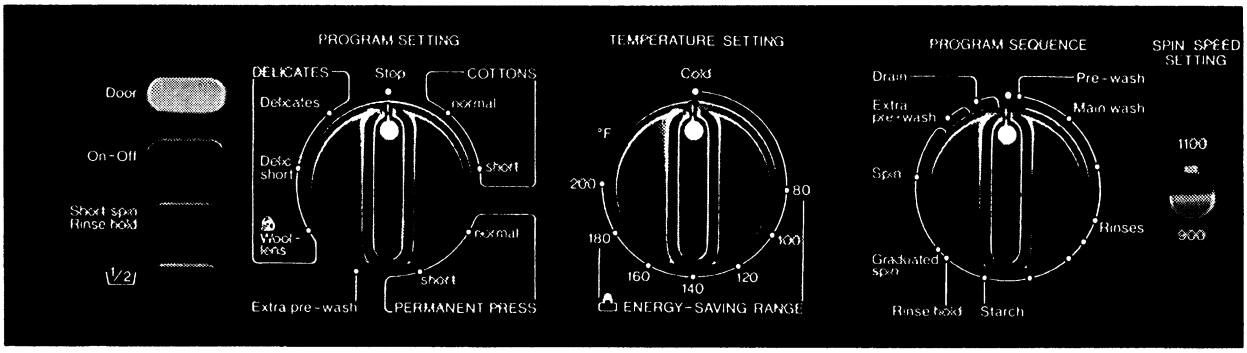
  Also a program with low agitation but with a high water level throughout. The laundry floats in water throughout the program and is treated gently. Other details as for "permanent press".

- **Woollens**

  An even more gentle program than "delicates" adapted to the fragile nature of wool. No pre-wash is provided for woollens to avoid too high a degree of agitation.

  As wool is more sensitive to stretching when wet than to high temperatures, the drum remains stationary during the heating period. During this phase the detergent solution can loosen the dirt from the fibres. Number of rinses and end of program as for "delicates".

Program setting



Program selector **Temperature selector** **Program progress switch**

Program progress switch

This switch is used to determine the starting position of a program and, after switching on, to indicate its progress. The start position may be set by turning the switch to the beginning of the required program segment (**in a clockwise direction only**). The following sequences can also be selected:

- Starch
- Graduated spin - spin
- Extra pre-wash
- Drain

Once a program has been selected, provided that the On/Off switch has been pressed and the water supply turned on, the pointer moves round in steps and indicates the stage of the program reached. In the first third of the "main wash" segment, the water is heated to the selected temperature so that the pointer remains in this area for some time.

Temperature setting

The wash temperature can be freely selected within the range from cold. The maximum wash temperature for individual items is normally indicated on the garment label.

Program setting

The program setting control allows you to select the following:

- degree of agitation
- water level
- program start and finish

A program can be stopped, interrupted, lengthened or shortened at any time as follows:

- Turn the program setting control to "stop".
- Set required continuation program by means of the "program sequence" control.
- Change temperature if required (e.g. to a position in the energy saving range), set press buttons.
- Re-adjust program setting control and switch on.

"Rinse hold/short spin" button

Permanent press, delicate and woollen items should be removed from the drum as soon as the program ends to reduce creasing. If this is not possible, they should be left floating in water (rinse hold) at the end of the program.

If such items are to be spun for an appropriate time the "rinse hold/short spin" button must be pressed either

- at the start of an appropriate wash program

or

- after the "rinse hold" stage.

The items will then either be spun at low speed at intervals with subsequent loosening or spun for a short time only.

- Permanent press program: for 30 seconds at intervals with loosening.
- Delicates program: for 30 seconds at intervals with loosening.
- Woollens program: 30 seconds spin without loosening.

If the "door" button is pressed at the end of the program, the "rinse hold/short spin" button returns to its normal position.

"On/Off" button

The machine can only be started if the "On/Off" button is pressed.

Program selection

General notes

The choice of a wash program depends on the amount of laundry and the degree of soiling.

Heavily soiled items (with tea, coffee, cocoa, sauce or soot stains etc.) should only be washed in an appropriate program as only in this way can the properties of the appropriate detergent be fully utilized in removing the stains.

However, not all laundry is stained to such an extent and for such items a short program is appropriate.

Often small loads have to be washed. The 1/2-program is suitable for such occasions.

The most economical wash is achieved when the drum is loaded to the maximum weight indicated for each program. The consumption of water and electricity per kilo of laundry is then at a minimum. Do not overload the machine!

Short programs for a full load

If the items to be washed are only lightly stained, but still need the bleaching action of higher temperatures, a short program can be selected.

The pre-wash (approx. 30% saving of detergent) and a part of the main wash cycle are automatically omitted but the selected temperature is nevertheless reached.

The table on page 42 shows the saving in electricity and time achieved by using the short programs in comparison to those obtained in normal programs.

Energy-saving program

If textiles are only lightly stained and the bleaching action of higher temperatures is not required, a lower temperature in the "energy saving" range may be selected. In most cases, the pre-wash can also be omitted. Despite the lower temperature and the energy saving thereby achieved, an automatic time control (wash time guarantee) ensures, in conjunction with the thermostat, that the main wash cycle is no shorter than in programs with higher temperatures.

Wash time guarantee makes it possible to wash laundry, which is normally boiled at 200°F, more often at temperatures in the energy-saving range. At a temperature setting of 170°F or 140°F instead of 200°F the relevant electricity savings are approx. 20 – 40%.

1/2 button for small loads

For washing small loads the pre-wash is omitted as the suds do not have to absorb as much dirt as under normal conditions. Therefore rinsing can also be carried out with less water.

If the 1/2 button is pressed the pre-wash is automatically omitted (saving 30% of detergent) and the amount of water used for spinning is limited. In the first rinse cycle only, cold water is added to cool the suds until the correct water level is reached. The table on page 42 shows the saving achieved in electricity, time and water when using the 1/2 program.

When the "door" button is pressed at the end of a program the 1/2 button is automatically released.

Spin speed selector switch

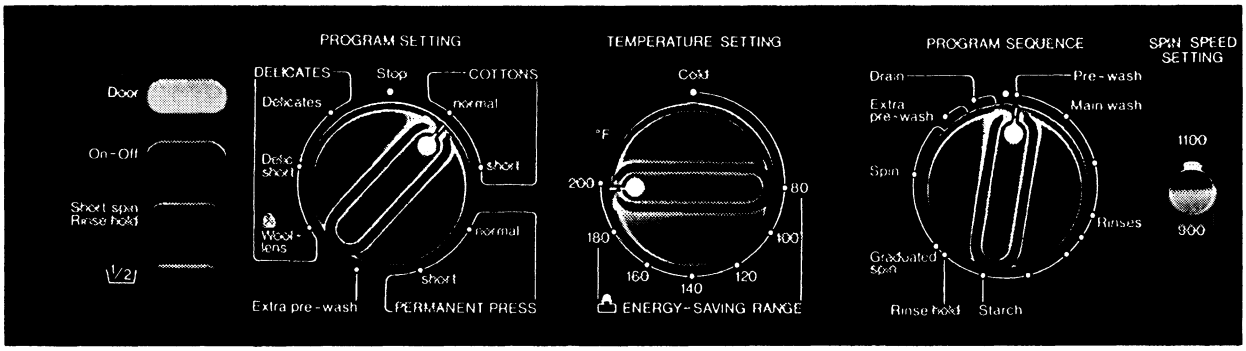
For cottons and coloreds the spin speed can be reduced.

To accomplish this press the switch marked ⌀ in the right side of the facia panel downwards.

If the laundry is to be dried in a tumble dryer always use the higher spin speed to save energy.

For non-iron, delicate and wool programs the lower spin speed is always used regardless of the switch setting (automatic spin speed adjustment).

Cottons 200°F



Suitable for:
Medium to heavily soiled cotton or linen, bed linen, table linen, towels, underwear, shirts.

Weight:
Up to 11 lbs of dry laundry.

Temperature and program setting:
As shown above.

Special instructions:
For lightly soiled cottons select a temperature in the energy saving range.
For half loads press the "1/2" button.
For heavily soiled cottons reduce the load to approx. 6.5 lbs of dry laundry.
Heavily stained cottons – especially with protein stains – should be pretreated in the extra pre-wash.

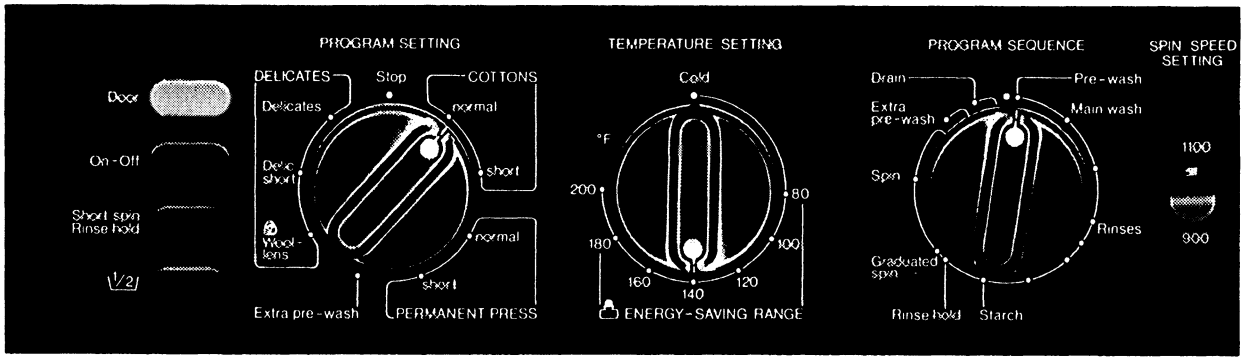
Detergent:
(see examples on page 12 for amount)
Compartment \I/ :
1/3 of the total amount (not for 1/2 load program)

Compartment \II/ :
2/3 of the total amount.

Compartment \❀/ :
Add fabric conditioner or retexturizer according to manufacturer's directions, but only up to the upper mark on the siphon tube.

Program sequence:
- Pre-wash (omitted in 1/2 program)
- Main wash
- Rinses (at low water level in 1/2 program)
- Graduated spin – spin

Cottons 140°F



Suitable for:
Average to heavily soiled colored shirts, overalls, aprons, blouses, dark colored towelling in cotton or linen, color fast to 140°F.

Weight:
Up to 11 lbs of dry laundry.

Temperature and program selection:
As shown above.

Special instructions:
For lightly stained laundry select short program.
For only lightly soiled laundry select a temperature in the "energy saving range".
For half loads press the "1/2" button.
For heavily soiled laundry reduce the load to approx. 6.5 lbs.
Heavily stained items should be pre-treated in the "extra pre-wash" program.
If **liquid** detergent is to be used for the main wash, turn the program sequence switch to "main wash \II/ ".

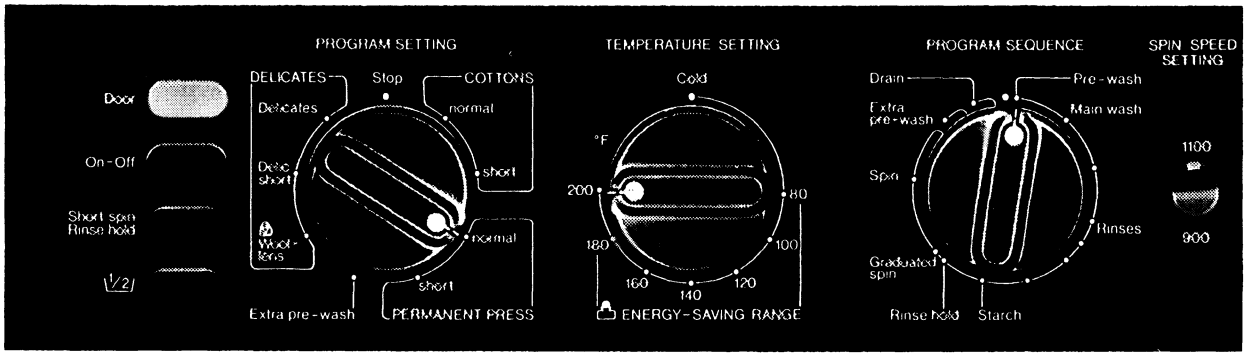
Detergent:
(see examples on page 12)
Compartment \I/ :
1/3 of the total amount (not for short of 1/2 programs)

Compartment \II/ :
2/3 of total amount or the appropriate quantity of liquid detergent.

Compartment \❀/ :
Add fabric conditioner or retexturizer according to manufacturer's directions but only up to the upper mark on the siphon tube.

Program sequence:
- pre-wash (not in short or 1/2 programs)
- main wash
- rinses (1/2 program at lower water level)
- Graduated spin – spin

Permanent press 200°F



Suitable for:
Average/heavily soiled cotton fibers with crease resistant or non-iron finishes (e.g. shirts and bed linen).

Weight:
Up to 3.3 lbs (approx. 8 shirts).

Temperature and program selection:
As shown above.

Special instructions:
For lightly soiled items select a program in the "energy saving range", or a short program.
For half loads press the "1/2" button.

Detergent:
Compartment \I/ :
1 measure (approx. 2.5 ounces), not for short or 1/2 program.

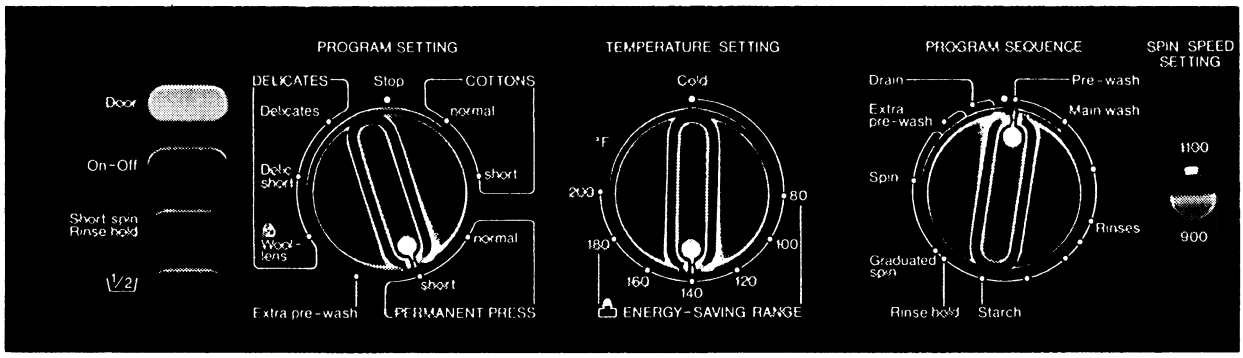
Compartment \II/ :
approx. 2 measures (approx. 5.0 ounces).

Compartment \❀/ :
Add fabric conditioner or retexturizer according to manufacturer's directions, but only up to the upper mark on the siphon tube.

Program sequence:
- pre-wash (not for 1/2 or short programs)
- main wash
- rinses (for 1/2 program with lower water level)
- rinse hold

Program continuation:
- without spin, select "drain"
- with spin, press button "rinse hold/short spin"
  The laundry will be spun with 30 second intervals and subsequently loosened.

Permanent press 140°F



Suitable for:
Average to heavily soiled items in synthetic fibers (Perlon, Nylon, cotton/Polyester mixtures) e.g. shirts and blouses.

Weight:
Up to 3.3 lbs (approx. 8 shirts)

Temperature and program selection:
As shown above.

Special instructions:
Heavily soiled, non fragile items can be treated in a program with pre-wash.
For half loads press the "1/2" button.
For lightly soiled items, select a temperature in the "energy saving range".

Detergent:
Compartment \I/ :
no detergent

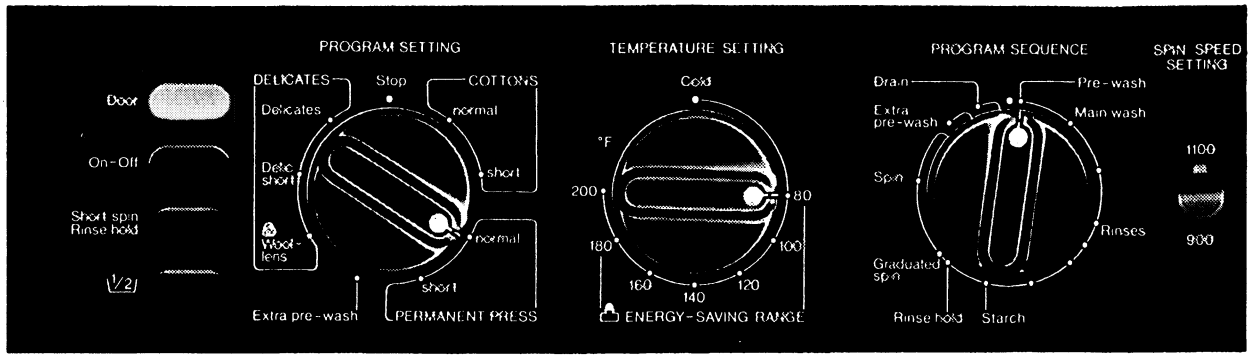
Compartment \II/ :
Approx. 2 measures (5.0 ounces) or an equivalent amount of liquid detergent.

Compartment \❀/ :
Add fabric conditioner or retexturizer according to manufacturer's directions, but only up to the upper mark on the siphon tube.

Program sequence:
- pre-wash (not for short or 1/2 programs)
- main wash
- rinses (for 1/2 program at lower water level)
- rinse hold \〰/

Program continuation:
- without spin, select "drain"
- with spin, press "rinse hold/short spin" button
  The laundry is spun for 30 sec. with 30 sec. intervals and then loosened.

Permanent press 80 – 100°F



Suitable for:
Averagely soiled items in Diolen, Dralon, Trevira and cotton/synthetic mixtures (children's and leisure ware)

Weight:
Up to 3.3 lbs of dry laundry

Temperature and program selection:
As shown above.

Special instructions:
For lightly soiled textiles select a short program.
For half loads press the "1/2" button.
If **liquid** detergent is to be used for the main wash, turn program sequence switch to "main wash \II/ ".

Detergent:
Compartment \I/ :
1 measure (approx. 2.5 ounces) not for short or 1/2 programs.

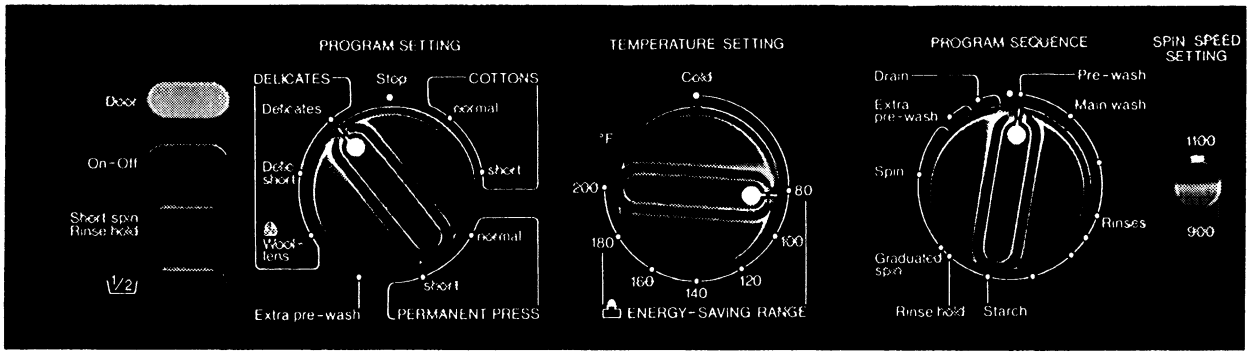
Compartment \II/ :
Approx. 2 measures (5.0 ounces) or an equivalent amount of liquid detergent.

Compartment \❀/ :
Add fabric conditioner or retexturizer according to manufacturer's directions but only up to the upper mark on the siphon tube.

Program sequence:
- pre-wash (not for 1/2 or short programs)
- main wash
- rinses (for 1/2 program at lower water level)
- rinse hold \≋/

Program continuation:
- without spin, select "drain"
- with spin, press "rinse hold/short spin" button.
  The laundry is spun with 30 sec. intervals and then loosened.

Delicates 80°F



Suitable for:
Soiled delicate textiles in Diolen, Dralon, Trevira. Fragile items in real or artificial silk.

Weight:
Up to 2.2 lbs of dry laundry.

Temperature and program selection:
As shown above.

Special instructions:
For lightly soiled items, select a short program.
If liquid detergent is to be used for the main wash, set program sequence switch to "main wash \II/ ".

Detergent:
Compartment \I/ :
approx. 1⅓ measures (approx. 3.5 ounces), not for short programs.

Compartment \II/ :
approx. 1⅓ measures (approx. 3.5 ounces), or an equivalent quantity of liquid detergent.

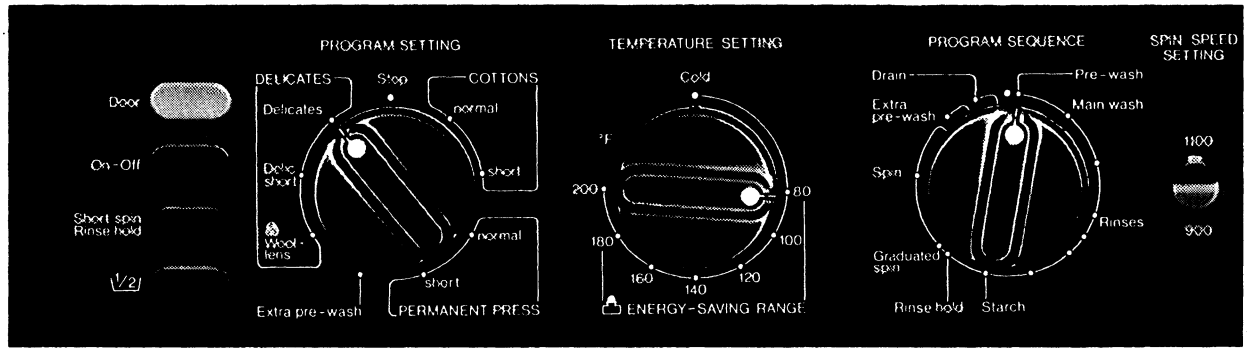
Compartment \❀/ :
Add fabric conditioner or retexturizer but only up to the upper mark on the siphon tube.

Program sequence:
- pre-wash (omitted in short program)
- main wash
- rinses
- rinse hold

Program continuation:
- without spin, select "drain"
- with spin, press "rinse hold/short spin" button.

The laundry is spun with 30 sec. intervals and subsequently loosened.

Curtains 80°F



Suitable for:
Curtains in synthetic fibers stated by the manufacturers to be machine washable (observe washing instructions) with the exception of Dralon which must be washed cold.
If in doubt, wash by hand!
Remove rollers and weights which are not sewn-in before washing.

Special instructions:
Very heavily soiled curtains may be treated in the "extra pre-wash" program.
Do not select temperatures over 80°F.

Weight/Quantity:
Fill the drum loosely to 1/3 capacity.

Temperature and program selection:
As shown above.

Detergent:
When using special liquid detergents for curtains, follow manufacturer's instructions closely.
Compartment \I/ :
approx. 1⅓ measures (3.5 ounces)

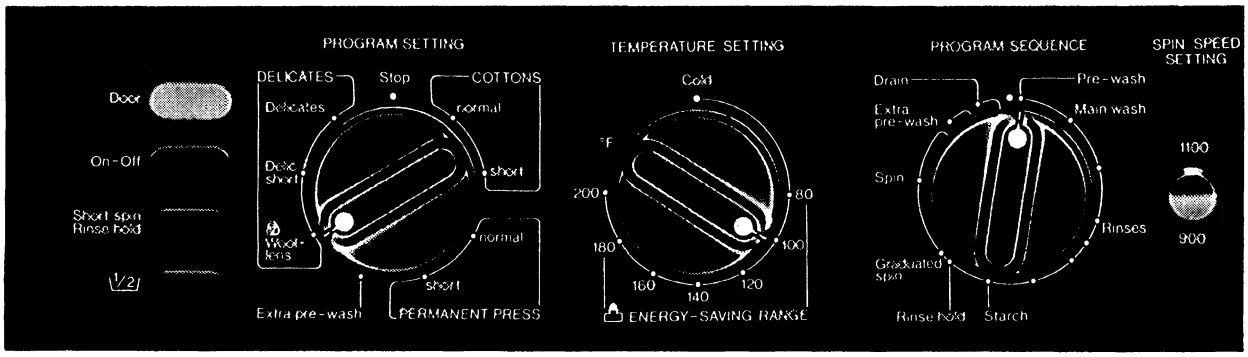
Compartment \II/ :
approx. 1⅓ measures (3.5 ounces)

Compartment \❀/ :
Add fabric conditioner or retexturizer according to manufacturer's directions but only up to the upper mark on the siphon tube.

Program sequence:
- pre-wash
- main wash
- rinses
- rinse hold

Program continuation:
Do not spin! Select "drain".

Woollens cold – 100°F



Suitable for:
Machine washable woollens and wool mixtures with the "machine wash" label or so described by the manufacturers. Temperature range from cold – 100°F.

Weight:
Up to 2.2 lbs of dry laundry.

Temperature and program setting:
As shown above. Pay particular attention to the wash temperature indicated by the manufacturer. For an indicated 50°F turn the temperature selector to cold.

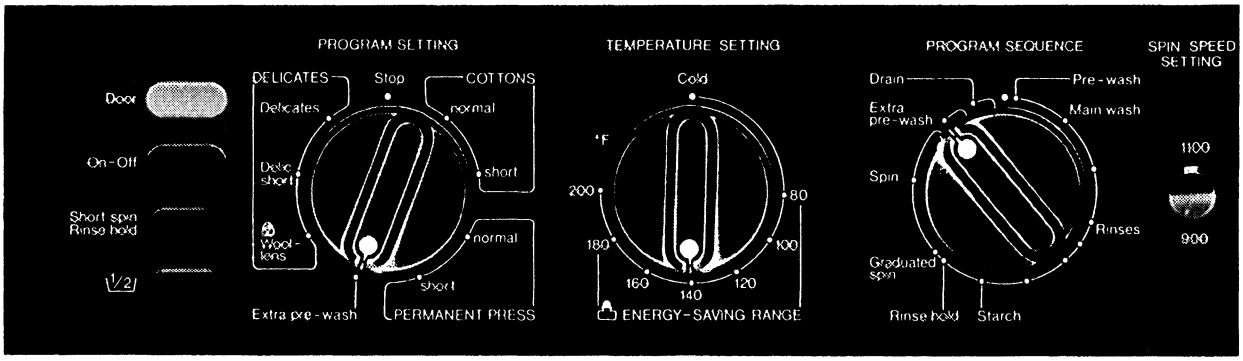
Detergent:
Compartment \I/ :
no detergent

Compartment \II/ :
approx. 1⅓ measures (3.5 ounces)

Compartment \❀/ :
Add fabric conditioner according to manufacturer's directions but only up to the upper mark on the siphon tube.

Program sequence:
- without spin, select "drain"
- short spin (30 sec.), press the "rinse hold/short spin" button.
- 2 minute spin, move program switch one notch further by hand.

Extra pre-wash cold – 140°F



Suitable for:
Heavily stained cottons e.g. table linen, children's clothes.

Weight:
As for subsequent program.

Temperature and program selection:
As shown above. Select temperature in the range cold – 140°F according to laundry type.

Special information:
During the heating phase, agitation is minimal. Vigorous movement of the drum is unnecessary due to the action of enzymes in the washing powder on protein based stains.

Detergent:
Compartment \I/ :
Use a washing powder containing enzymes to remove blood and protein based stains. Amount according to manufacturer's instructions.

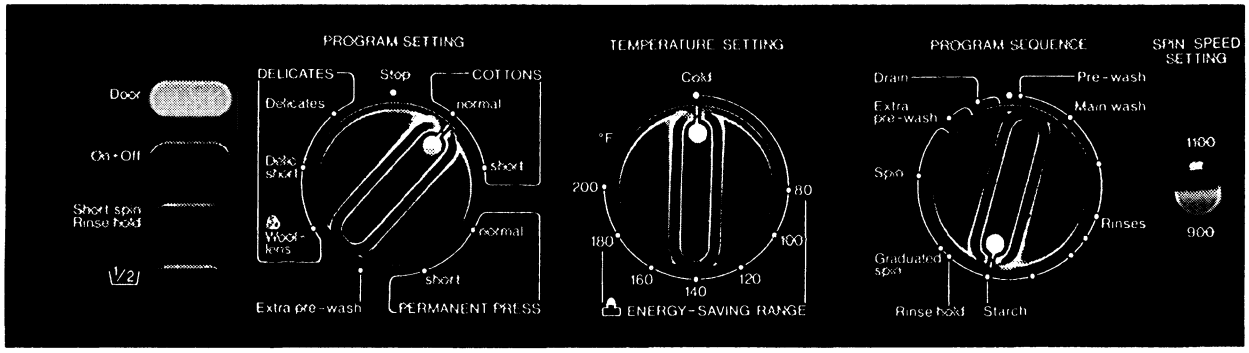
Compartment \II/ :
no detergent.

Compartment \❀/ :
no conditioner

End of program:
After approx. 30 minutes.

Program continuation:
- select "drain"

If the extra pre-wash is to be followed by a cottons 200°F program, the load must be rinsed thoroughly before continuing. (See note under "spin" on page 30.)



Suitable for:
Laundry which needs to be starched e.g. table linen. The laundry should be freshly washed, but not treated with fabric conditioner.

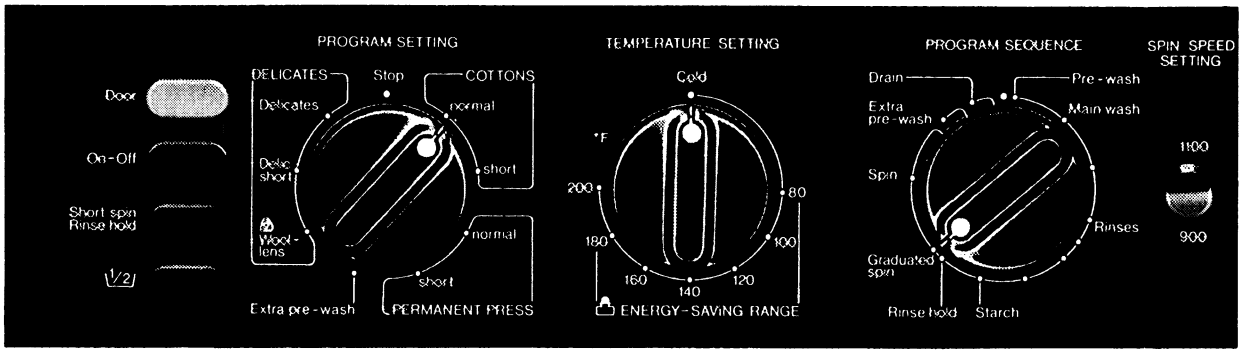
Weight:
Up to 11 lbs of dry laundry.

Program selection:
As shown above, in addition press the "1/2" button to obtain low water level.

Adding starch:
Compartment \I/ :
Prepare starch according to manufacturers instructions and pour in a quantity sufficient for 5 US gallons of water. **If the laundry is to be dried in a tumble dryer, twice the quantity of starch should be added!**

End of program:
After approx. 18.5 min.

Spinning



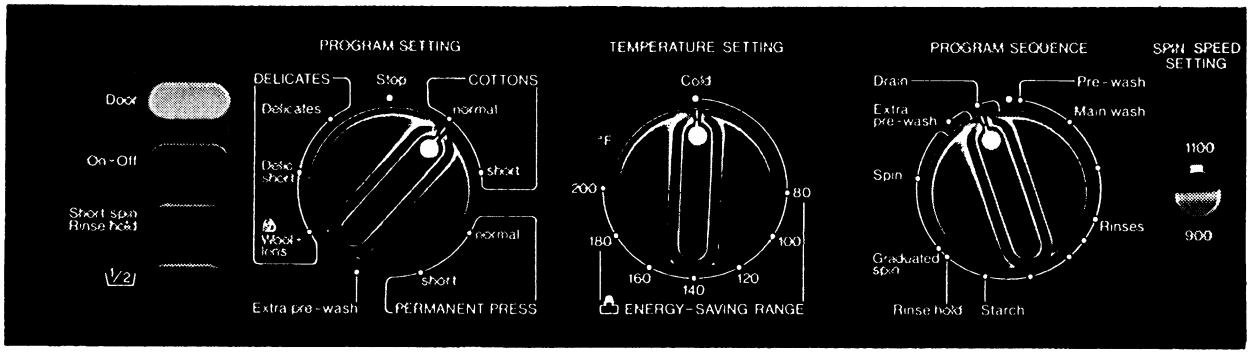
Suitable for:
Small hand washed items suitable for spinning.

Weight:
Up to 11 lbs of dry laundry.

Program selection:
As shown above. Set program setting switch to "cottons", "permanent press", "delicates" or "woollens". Additionally press the "rinse hold/short spin" button or spin time will be increased by 1.5 minutes.

Special instructions:
For fragile textiles, spin time can be reduced by turning the program setting switch to the "stop" position.
If the laundry is to be rinsed before spinning, set the program sequence switch to the start of the appropriate rinse cycle.

End of program:
Cottons: Approx. 13.5 min after loosening.
Permanent press, delicates: Approx. 7.5 min. after loosening.
Woollens: After spinning cycle (approx. after 2 min.)



Application:
For "permanent press", "delicates" or "woollens" programm without a spin after the rinse hold. Before selecting a program after extra pre-wash.

End of program:
3 min. after commencement of drain program.

Cleaning and Care

Cleaning the washing machine

The drum is made of non-rusting stainless steel. However, it is possible that so-called extraneous rust deposits may form because of iron contained in the water or because of foreign bodies in the wash (such as paper clips, metallic buttons, clips, nails etc.). If this happens, clean the drum with scouring powder or with fine grade wet and dry paper.

Hard water staining can be avoided by using sufficient quantities of wash powder and, if necessary, a water softening agent in the main wash. Removing agents containing acid could damage the machine.

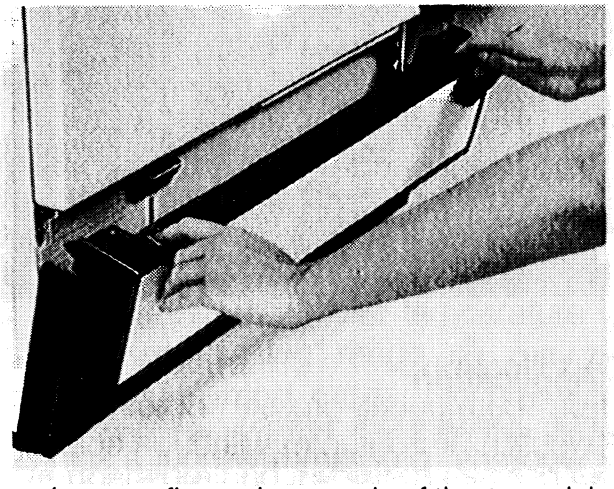
The casing and drum door can be cleaned with soap and water or a mild non-abrasive detergent, and wiped dry with a soft cloth. Never hose down the machine. The switches, control panel and other plastic components should only be cleaned with proprietary plastic or enamel cleaners. Abrasives will scratch the surface.

Cleaning the lint filter

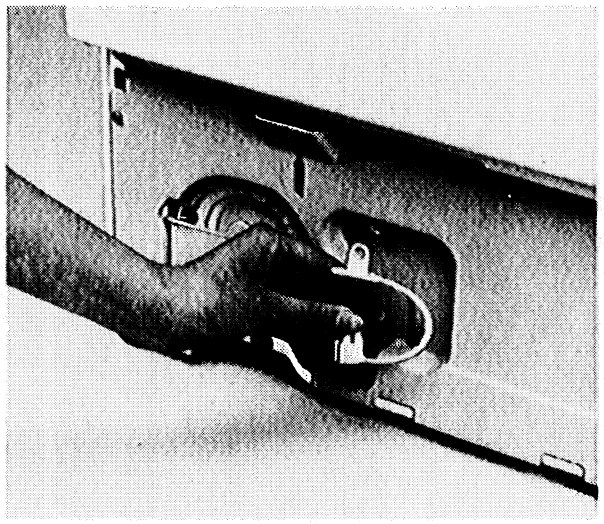
Everyday wear results in fibers being rubbed off garments and forming lint which is trapped in the lint filter during the wash.

The filter prevents lint from getting into the drain pump and the attached drain system, and also traps any solid particles (e.g. clips, nails) which have been inadvertently left in the wash load. The filter must be inspected at least once a week, to ensure correct drainage. **Switch off the machine before cleaning.**

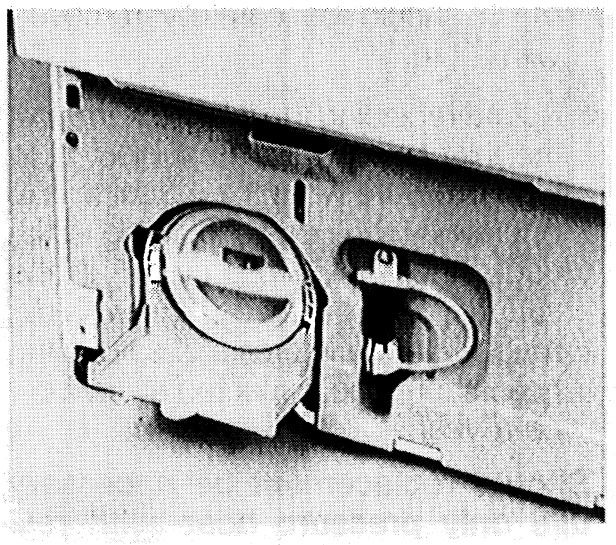
- Open the door of the machine.



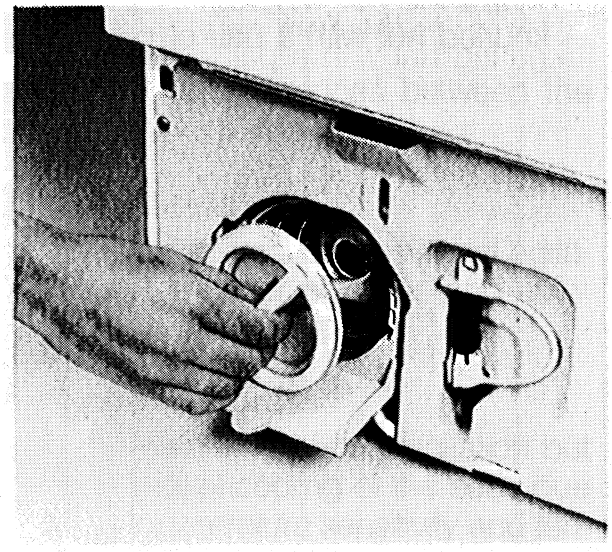
- Insert a finger into each of the two visible openings.
- Pull the cover away from the top connectors as shown.
- Then lift the cover out of the bottom connectors.
- Place a shallow container under the panel. Unhook the drain hose on the right hand side of the filter, pull out the plug and drain off any water left in the machine into the container (see illustration). If the hose is warm, the water will also be warm or even hot – **so take care!**

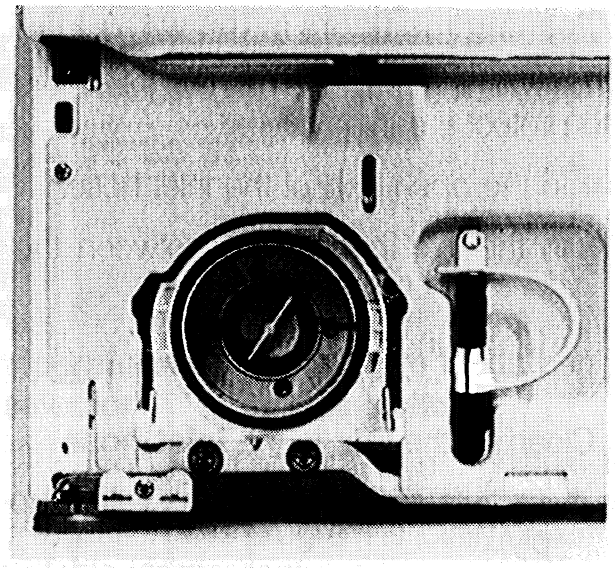


When no more water runs out of the hose, replace the plug and hang the hose back on its hook.



Open the lint filter lock by turning anticlockwise and slowly remove the filter insert (if the drain hose is blocked, water could splash out).





Clean the filter insert and the filter housing. Push the filter back into position and secure by turning clockwise; the handle must be horizontal.

Close the lint filter panel.

Cleaning the filters in the water inlet

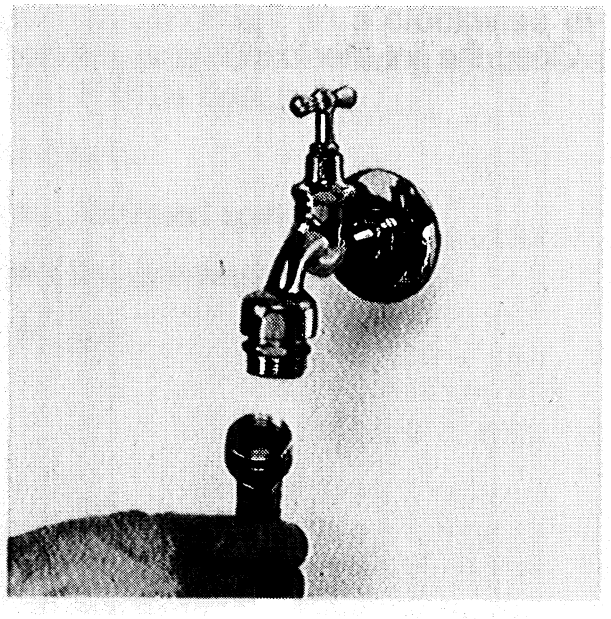
The washing machine has two inlet filters to protect the inlet valves:

- In the open end of the inlet hose.
- In the inlet connection between the hose and the machine.

The filter in the inlet hose should be cleaned about every six months.

Cleaning the filter in the **inlet hose**

- Turn off the water valve (water supply).
- Using pliers, carefully unscrew the knurled coupling connecting the inlet hose to the water valve.



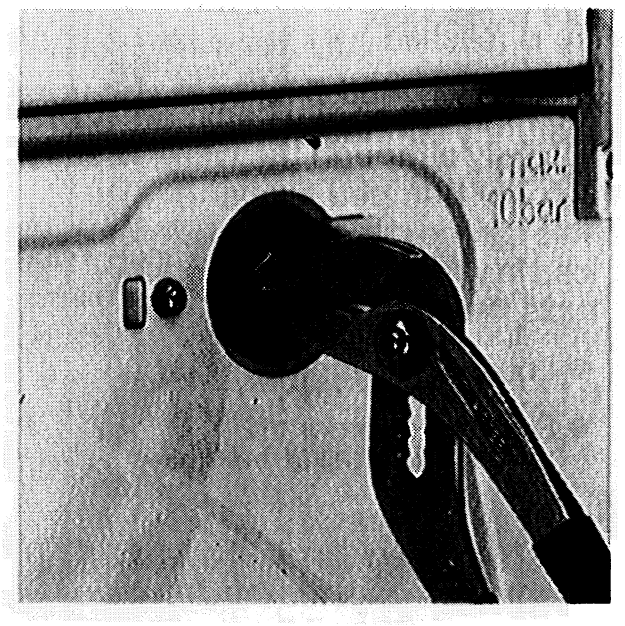
- Remove the rubber seal from the recess.
- Using pointed pliers, take hold of the plastic filter bar and remove the filter.
- Hold the filter under running water with the bar downwards to rinse out the dirt. Grit particles stuck in the mesh should be carefully removed with a pin.
- Before replacing the inlet filter, inspect the inlet hose which is subjected to high pressure while the machine is in operation. The hose should be replaced if there are small cracks in the surface, or if it has been otherwise damaged. In the interests of safety, the hose should be inspected at least once a year.

Should replacement be necessary, use only pressure hose with resistance to pressures of 870 p.s.i. (60 bar).

- Screw the inlet hose back onto the water valve and turn it on. If the connection is not watertight, tighten the knurled nut with a pair of pliers.

Cleaning the filter in the **water inlet valve**

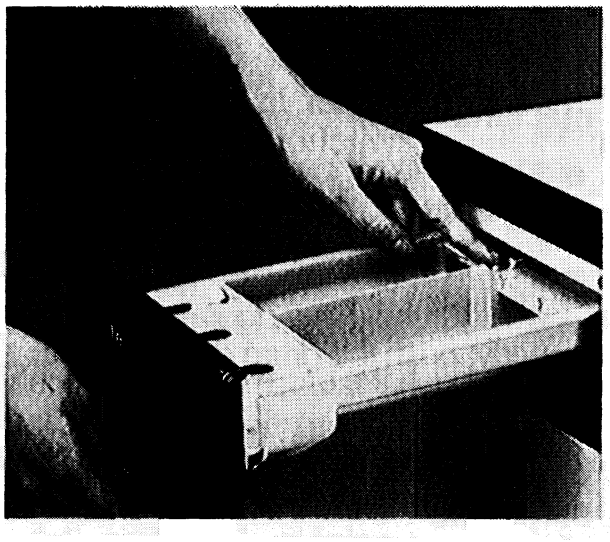
- Turn of the water valve.
- Using pliers, carefully loosen the ribbed plastic nut on the inlet valve. Use a cloth to mop up any leaks.
- Hold the filter under running water with the bar downwards to rinse out the dirt. Stubborn grit particles can be carefully removed from the mesh with a pin.



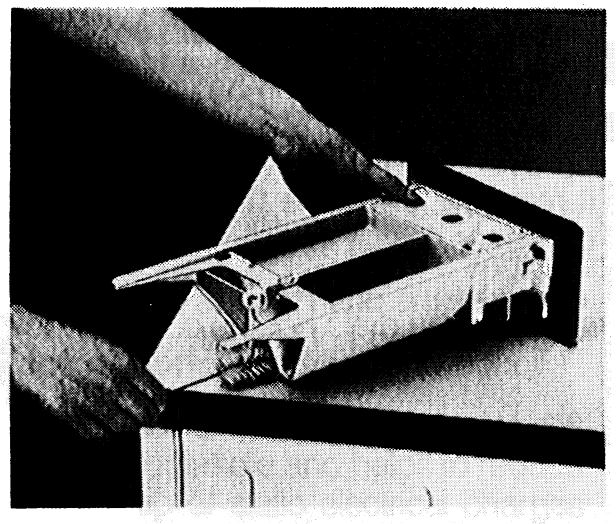
- Push the filter back into the connecting piece of the inlet valve with the grip bar outwards.
- Screw the inlet hose to the valve connecting piece, tightening the plastic coupling by hand. Turn on the water-valve. If the connection is not water-tight, carefully tighten the nut with a pair of pliers.

Cleaning the detergent dispenser

- Pull the detergent dispenser out until the red button becomes visible (see illustration).



- Press the red button down and pull the dispenser out simultaneously.
- The compartments can be cleaned from the back with warm water and/or a bottle brush.



- Replace in reverse order.

Correcting minor faults

With the aid of the following explanatory notes, minor faults in the performance of your washing machine, some of which may result from faulty operation, can be corrected without contacting the Service Department.

There is no water intake when the machine is switched on.

- If the water valve is turned off, turn it on.
- If there is still no water intake, check whether the drum door is closed properly; push the drum door firmly shut.

The machine fills too slowly although the mains water pressure is sufficient.

- The filter in the inlet hose could be blocked. Inspect the filter and, if necessary, clean it.

The drum does not rotate in the spin cycle although the program continues.

The motor safety switch has tripped because of overloading. This could be caused say, by restricted drainage.

If required, clean the filter as instructed on pages 32/33.

- Ensure the drain hose is correctly positioned and not kinked.

The motor cools down after approx. 20 minutes and the safety switch automatically switches on. The spin cycle can be repeated as follows: select the spin program as shown on page 30.

If the safety switch trips again, press and release the "on/off" button and contact an authorized service engineer.

The program indicator stops during the first third of the main wash. This is not a fault. The indicator remains in this sector until the selected wash temperature is reached.

The high speed final spin ends prematurely although the water is satisfactorily pumped away.

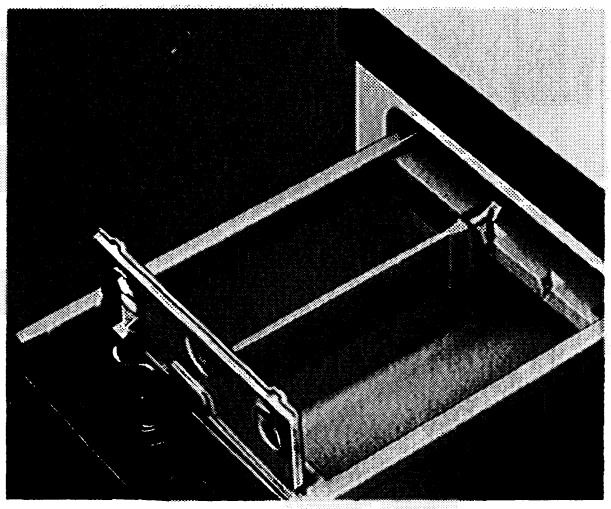
This can be due to an imbalance in the load in which case a safety device interrupts the spin cycle.

- Loosen the laundry.
- Select spin program.

The fabric conditioner is not flushed in properly or there is too much water in Compartment \❀/ of the dispenser.

Check whether the white siphon tube is incorrectly positioned or blocked.

- Pull the 3 compartment dispenser flap forward to the stop position.
- Remove the small lid of Compartment \❀/ from its locating holes by pressing the sides of the compartment.



- Lift out the white siphon tube.
- Clean the siphon tube and the compartment with hot water.
- Replace the siphon tube and small lid for Compartment \❀/ in the reverse order to which they were removed.

Too much foam develops.

To avoid the problem from the outset, take note of the following points:

- Only use suitable low sudsing detergents.
- The water hardness must be taken into account for dosage of detergents.
- For lightly soiled articles or a small load, reduce the amount of detergent accordingly.
- Pre-soaked items should be rinsed thoroughly before washing.

Light or dark grey "greasy" particles cling to the clean washing.

The wash load was heavily soiled with greasy substances, e.g. ointments or lotions, and the amount of detergent used was insufficient to break down the particles of grease.

- Clean the machine by running a very hot wash program without a load and using ordinary wash powder to clean the machine.
- In future, increase the amount of detergent when washing items with grease or oil stains.

Correcting minor faults

Suds are not pumped off during the drain cycle, although the pump is working.

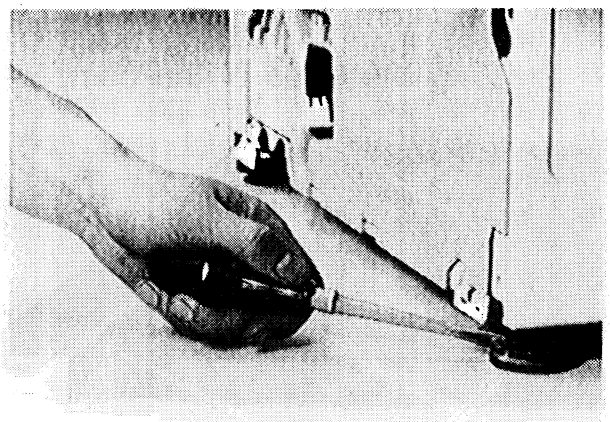
Check whether the drainage is blocked.

- Clean the lint filter if required (see pages 32/33).
- Make sure that the drain hose is not kinked.

The appliance is unsteady during the spin cycle.

1. This can be caused by the four machine feet being out of alignment.

- Gently tilt the machine sideways to ascertain which foot is out of alignment.
- Loosen the locknut on the respective foot and re-align the machine as shown in the installation instructions.



2. Springy floor boards not only intensify the noise level during the spin cycle, but can also cause the machine to be unstable.

- Screw a wooden base approx. 1¼ – 2 ins. thick onto at least two joists.
- Install the machine in a corner of the room, not in the middle.

3. Large articles of washing or highly absorbent ones such as bath mats, could cause the wash load to become greatly off balance.

- Therefore make up loads consisting of both large and small items instead of washing all the larger articles in a single load. Duvet covers should be buttoned up before washing in the machine.
- Do not spin bathroom mats separately, but include them in larger wash loads.

4. This fault could also be due to the lint filter being blocked. As a safety precaution, inspect the filter and clean, if necessary, as instructed on pages 32/33.

Laundry treated with retexturizer is insufficiently spun.

Most retexturizers tend to produce large quantities of foam particularly during spinning. This means that insufficient water is pumped away during the spin cycle and that the laundry remains wet.

- Repeat graduated spin – the short intervals mean that less foam occurs and that the laundry will be sufficiently spun.

If laundry is still very damp after spinning in cottons/coloreds programs.

- Spin selector is set at the "low" position.
- Select "high" position.
- Repeat spin cycle as shown on page

After Sales Service

In the event of any faults which cannot or could not be remedied, please contact:

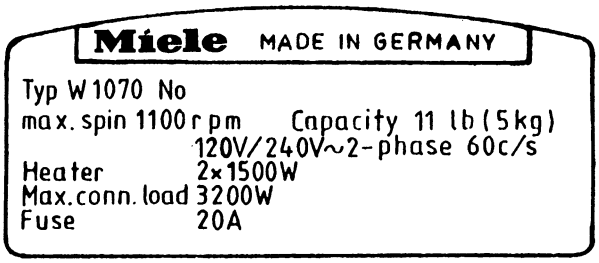
- Your Miele dealer

  or

- The nearest Miele Service Department (see back cover for the address).

When contacting the Service Department, kindly note the Model and Serial Nos., both of which are shown on the data plate located on the hinge behind the drum door.

Example:


Miele MADE IN GERMANY
Typ W 1070 No
max. spin 1100 r p m Capacity 11 lb (5 kg)
120V/240V~2-phase 60c/s
Heater 2×1500W
Max. conn. load 3200W
Fuse 20A

Height:	33½ inches (adjustable + .3 – .15 inches)
Height without lid:	32 inches (+ .3 – .15 inches)
Width:	24 inches
Depth (including distance from wall):	24 inches
Weight:	257 lbs (approx.)
Capacity:	11 lbs of dry laundry
Rated load:	3.2 kW
Fuse rating:	20 A
Water pressure:	14.5 p.s.i. – 145 p.s.i.
Max. delivery head:	39 inches
Drain hose max. length:	197 inches
Power supply	120 V / 240 V ~ 2-phase 60 c/s

Consumption

	Weight full load			Weight 1/2 load button 1/2 load		
	Time (min)	Electr. (kWh)	Water (US Gallon)	Time (min)	Electr. (kWh)	Water (US Gallon)
Cottons 200°F	118	2,6	32	102	2,0	19
Cottons 140°F	118	1,6	32	102	1,2	17
Cottons short 140°F	77	1,2	29	77	1,1	17
Cottons 80°/100°F	118	0,9	32	102	0,6	17
Cottons short 80/100°F	72	0,7	29	72	0,6	17
Permanent press with pre-wash 200°F	78	2,2	28	62	1,6	17
Permanent press with pre-wash 140°F	78	1,4	28	62	0,9	17
Permanent press short 140°F	45	0,8	25	45	0,8	17
Permanent press pre-wash 80/100°F	78	0,8	28	62	0,4	17
Permanent press short 80/100°F	35	0,2	25	35	0,2	17
Delicates Curtains 80°F	78	0,8	28	·/.	·/.	·/.
Delicates short 80°F	40	0,6	23	·/.	·/.	·/.
Wollens 100°F	49	0,8	23	·/.	·/.	·/.
Woolens cold	37	0,02	21	·/.	·/.	·/.
Extra pre-wash 140°F	28	1,4	7	·/.	·/.	·/.

The figures in the table were established under standard conditions. Differences, in electrical and water consumption, are possible under different operating conditions. Connecting the appliance to a source of hot water can alter the running times slightly according to the program selected.

Miele

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